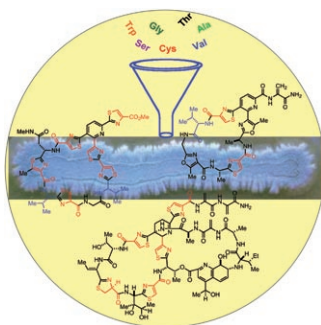
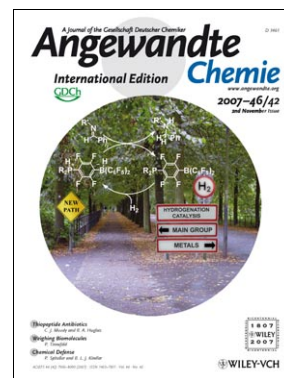


Cover Picture

Preston A. Chase, Gregory C. Welch, Titel Jurca, and Douglas W. Stephan*

Off the beaten path aptly describes a main-group alternative for catalyzing hydrogenation reactions using H_2 . Whereas the main road is based on transition metals, D. W. Stephan and co-workers offer a new path in their Communication on page 8050 ff. with metal-free phosphonium borates, which effect the reduction of sterically hindered imines and aziridines under relatively mild conditions. The cover picture illustrates this alternative but parallel route with the bicycle and pedestrian paths of the “Promenade” in Münster, Germany.

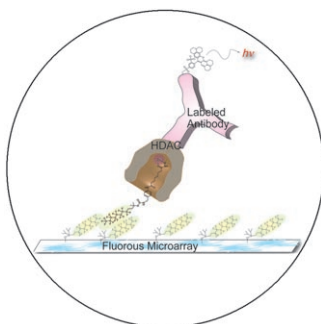
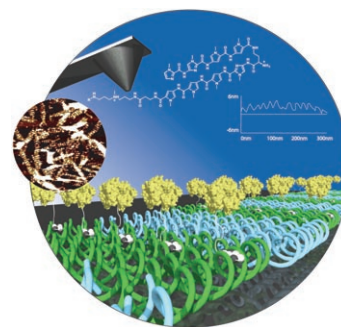


Thiopeptide Antibiotics

Organic chemists have developed innovative methods for the synthesis of thiopeptide antibiotics. As R. A. Hughes and C. J. Moody describe in their Review on page 7930 ff., the use of orthoganol protecting groups and coupling strategies have been critical for this development.

Microarrays

A method for identifying inhibitors of histone deacetylases (HDACs) is noncovalent immobilization. S. L. Schreiber and co-workers report in their Communication on page 7960 ff. that fluororous-based small-molecule microarrays are well-suited to this method.



DNA Arrays

A polyamide-biotin conjugate binds to specific sequences in a DNA nanostructure, where it recruits streptavidin to form a two-dimensional array of DNA without requiring any prior modification of the DNA, report P. B. Dervan and co-workers in the Communication on page 7956 ff.